



LC AIR LAB

AIR ANALYSIS

SERVICES OFFERED:

- Provide equipment for air sampling (sorbent tubes, pumps, etc) for rental and usage
- Analysis of air sampling tubes via thermal desorption-gas chromatography mass spectrometry (TD-GC-MS) using EPA Methods (EPA TO-17, EPA 325)
- 27 or more volatile organic compounds for passive sampling, over 100 for active sampling
- Quality assurance and control of all processes
- Provide a dataset of desired compounds to users within one month's time

RATES:

Equipment:

Sorbent tubes, caps and diffusion caps (if passive sampling):
\$30/tube rental; \$150 replacement charge

Passive shelter: \$25 purchase

Air pump and calibrator (active sampling): \$500/month rental; \$2000 replacement charge

Shipping, analysis and labor:

Monthly rates: Up to 10 samples weekly, blank and duplicate weekly
\$2500/month - does not include equipment

Weekly rates: Up to Up to 10 samples, blank and duplicate weekly
\$700/week - does not include equipment

Extra samples: \$50 per sample per week

Single samples: \$250 per sample

Custom Rates

May be applied for limited scope analysis, such as 1-5 compounds



TERMS OF AGREEMENT:

Clients will fill out a memorandum of agreement with Lewis-Clark State outlining specific services and charges before work commences or equipment is shipped.

Payment can be invoiced with our purchasing and/or grants department.

Compound List:

	Compound
Passive	1-Butanol
Passive	1-Hexene
Passive	2-Hexanone
Passive	2-Pentene (Z), cis
Passive	alpha.-Pinene
Passive	Benzene
Passive	Benzene, 1-ethyl-2-methyl
Passive	Benzene, 1-ethyl-3-methyl
Passive	Benzene, 1-ethyl-4-methyl-
Passive	Benzene, 1,2-dichloro-
Passive	Benzene, 1,2,3-trimethyl
Passive	Benzene, 1,2,4-trimethyl-
Passive	Benzene, 1,3-diethyl
Passive	Benzene, 1,4-diethyl
Passive	Benzene, propyl-
Passive	beta.-Pinene
Passive	Carbon Tetrachloride
Passive	Cyclohexane, methyl
Passive	D-Limonene
Passive	Decane
Passive	Dodecane
Passive	Ethylbenzene

	Compound
Grab	1-Butanol
Grab	1-Butene
Grab	1-Pentanol
Grab	1-Pentene
Grab	1-Propene, 1,3-dichloro-
Grab	1-Propene, 2,3-dichloro-
Grab	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
Grab	1,3-Butadiene, 2-methyl
Grab	1,4-Dioxane
Grab	2-Butene (E), trans
Grab	2-Butene (Z), cis
Grab	2-Hexanone
Grab	2-Pentene (Z), cis
Grab	alpha-Cedrene
Grab	alpha-Humulene
Grab	alpha.-Pinene
Grab	aTerpineol -63 percent
Grab	Benzene, (1-methylethyl)
Grab	Benzene, 1-ethyl-2-methyl
Grab	Benzene, 1-ethyl-3-methyl
Grab	Benzene, 1-ethyl-4-methyl-
Grab	Benzene, 1,2-dichloro-



Passive	Furfural
Passive	Guaiacol
Passive	Heptane
Passive	Heptane, 3-methyl
Passive	Hexane, 2-methyl-
Passive	Hexane, 3-methyl
Passive	m,p-Xylene 2
Passive	Mesitylene
Passive	Methyl Isobutyl Ketone
Passive	Methylene Chloride
Passive	n-Hexane
Passive	Nonane
Passive	o-Xylene
Passive	Octane
Passive	Pentane, 2-methyl
Passive	Pentane, 2,3,4-trimethyl
Passive	Pentane, 2,4-dimethyl
Passive	Pentane, 3-methyl
Passive	Tetrachloroethylene
Passive	Toluene
Passive	Trichloromethane
Passive	Undecane

Grab	Benzene, 1,2,3-trimethyl
Grab	Benzene, 1,2,4-trichloro-
Grab	Benzene, 1,2,4-trimethyl-
Grab	Benzene, 1,3-dichloro-
Grab	Benzene, 1,3-diethyl
Grab	Benzene, 1,4-dichloro-
Grab	Benzene, 1,4-diethyl
Grab	Benzene, chloro-
Grab	Benzene, propyl-
Grab	Benzene
Grab	Benzyl Chloride
Grab	beta.-Pinene
Grab	Borneol
Grab	Bromomethane
Grab	Butane, 2-methyl
Grab	Butane, 2,2-dimethyl
Grab	Camphor
Grab	Carbon Disulfide
Grab	Carbon Tetrachloride
Grab	Chloromethane
Grab	Cyclohexane, methyl
Grab	Cyclohexane
Grab	Cyclopentane, methyl-
Grab	D-Limonene
Grab	Decane
Grab	Dichlorodifluoromethane
Grab	Dimethyl Disulfide (DMDS)
Grab	Dimethyl Sulfide (DMS)
Grab	Dodecane



Grab	Ethane, 1-bromo-2-chloro-
Grab	Ethane, 1,1-dichloro-
Grab	Ethane, 1,1,1-trichloro-
Grab	Ethane, 1,1,2-trichloro-
Grab	Ethane, 1,1,2,2-tetrachloro-
Grab	Ethane, 1,2-dibromo-
Grab	Ethane, 1,2-dichloro-
Grab	Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro
Grab	Ethanol
Grab	Ethene, 1,1-dichloro-
Grab	Ethene, chloro-
Grab	Ethyl Chloride
Grab	Ethylbenzene
Grab	Ethylene, 1,2-dichloro (E), trans
Grab	Ethylene, 1,2-dichloro (Z), cis
Grab	Eucalyptol
Grab	Eugenol
Grab	Fenchol
Grab	Furfural
Grab	gamma.-Terpinene
Grab	Geraniol
Grab	Guaiacol
Grab	Guaiol
Grab	Heptane, 2-methyl
Grab	Heptane, 3-methyl
Grab	Heptane
Grab	Hexane, 2-methyl-
Grab	Hexane, 3-methyl
Grab	Isopropyl Alcohol



Grab	L-Fenchone
Grab	m,p-Xylene 2
Grab	Mesitylene
Grab	Methane, bromodichloro-
Grab	Methane, dibromochloro-
Grab	Methane, tribromo-
Grab	Methyl Isobutyl Ketone
Grab	Methylene Chloride
Grab	n-Hexane
Grab	n-Pentane
Grab	Nonane
Grab	o-Xylene
Grab	Octane
Grab	Pentane, 2-methyl
Grab	Pentane, 2,3,4-trimethyl
Grab	Pentane, 2,4-dimethyl
Grab	Pentane, 3-methyl
Grab	Phenol, 2-chloro-
Grab	Phenol, 2-nitro-
Grab	Phenol, 2,4-dichloro-
Grab	Phenol, 2,4-dimethyl-
Grab	Phenol, 2,4,6-trichloro-
Grab	Phenol, 4-chloro-3-methyl-
Grab	Phenol
Grab	Propane, 1,2-dichloro-
Grab	Pulegone
Grab	Sabinene hydrate
Grab	Sabinene
Grab	Styrene



Grab	Syringol
Grab	Terpinolene-a
Grab	Tetrachloroethylene
Grab	Toluene
Grab	Trichloroethylene
Grab	Trichloromethane
Grab	Trichloromonofluoromethane
Grab	Undecane